



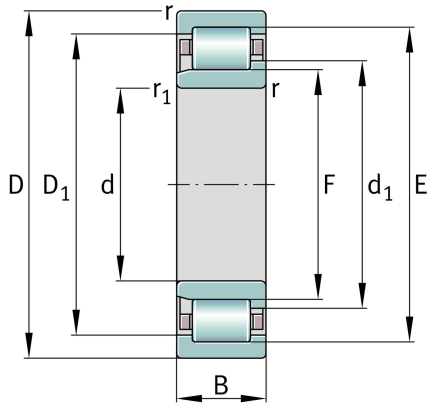
FAG

NJ203-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:
0167342700000Cylindrical roller bearing NJ..-E-XL-TVP2,
with cage, single row, semi-locating
bearing, 2 ribs on outer ring, 1 rib on inner
ring, type NJ

Technical information

**Main Dimensions & Performance Data**

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	12 mm	Width
C_r	20,800 N	Basic dynamic load rating, radial
C_{0r}	14,600 N	Basic static load rating, radial
C_{ur}	2,220 N	Fatigue load limit, radial
n_G	26,500 1/min	Limiting speed
n_{gr}	15,300 1/min	Reference speed
	0.072 kg	Weight

Dimensions

r_{min}	0.6 mm	Minimum chamfer dimension
r_{1min}	0.3 mm	Minimum chamfer dimension
s	1.2 mm	Axial displacement
E	35.1 mm	Raceway diameter outer ring
F	22.1 mm	Raceway diameter inner ring
D_{1min}	32.5 mm	Minimum rib diameter outer ring
d_1	24.7 mm	Maximum rib diameter inner ring

Mounting dimensions

d_{amin}	21 mm	Minimum diameter shaft shoulder
d_{amax}	21.5 mm	Maximum diameter of shaft shoulder
D_{amax}	36 mm	Maximum diameter of housing shoulder
d_{cmin}	28 mm	Minimum shaft shoulder
r_{amax}	0.6 mm	Maximum recess radius

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.